



Approval #

990061-U (Replaces 940020-U)

Safety & Buildings Division
201 West Washington Avenue
P.O. Box 2658
Madison, WI 53701-2658

Wisconsin Material Approval

Material

Aboveground Secondary Containment Tanks

Manufacturer

Kleespie Tank & Petroleum Equipment, Inc.
P.O.Box 106
Morris, MN 56267

SCOPE OF EVALUATION

The Aboveground Secondary Containment Tank manufactured by Kleespie Tank and Petroleum Equipment, Inc., was evaluated for use as a secondary containment aboveground tank for flammable liquids in accordance with ss. **Comm 10.345 (1)** and **10.415 (7) (b)** of the Wisconsin Administrative Flammable and Combustible Liquids Code.

The Kleespie single-wall tanks were evaluated for use as primary containment, meeting the listing requirements of s. **Comm 10.355** of the code.

DESCRIPTION AND USE

The double wall tanks are for the aboveground storage of flammable or combustible liquids. They are contained within a steel secondary containment shell which forms the monitored interstitial space.

TESTS AND RESULTS

The inner tank and secondary containment have been tested and listed by UL in accordance with UL Standard 142.

LIMITATIONS OF APPROVAL

Double Wall Tanks

The tanks are approved for compliance with the secondary containment requirements of **ss. Comm 10.345 (1) and 10.415 (7) (b)** and may be used without a dike, except in the case of public-access waste oil collection. Tanks for public-access waste oil collection shall be provided with a dike in accordance with **s. Comm 10.33**.

Double wall tanks, regardless of capacity, shall have a minimum total wall thickness (heads and shells) of 7/16 inch. This is typically comprised of 1/4-inch and 7-gauge thicknesses. This is deemed sufficient to meet the projectile protection requirement of **s. Comm 10.415 (7) (b)**.

Double wall tanks with lesser wall thicknesses may be used inside a building without a dike subject to the requirements of **s. Comm 10.335 (2)**.

The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.

Compartmentalized tanks shall be constructed with a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.

The tank shall be installed to allow full visual inspection of the secondary containment system.

Single and Double Wall Tanks

Tanks up to 10,000 gallons may be used for vehicle fueling in accordance with **s. Comm 10.415**.

Spill containment shall be provided for the fill opening in accordance with **s. Comm 10.415 (12)**.

Separate vehicle collision protection shall be provided by a barrier that meets the design requirements specified in **s. Comm 10.415 (8) (a)**.

No attachments shall be made to the tank which violate or void the UL listing.

The installer shall be certified by the department in accordance with **ch. Comm 5**.

This approval will be valid through December 31, 2004, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: _____

Approval Date: _____

By: _____

Duane D. Hubeler, P.E.
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